

I. AMENDMENTS AND LISTING OF CLAIMS

A. Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application. Applicant respectfully requests that these amendments be entered, as they are intended to place the application in condition for allowance.

B. Listing of Claims

Claims 1 - 13 (Cancelled).

Claim 14 (Currently Amended): A pharmaceutical composition for alleviating or reducing fatigue and weakness associated with cancer and cancer chemotherapy, consisting of: an effective amount of riboflavin; an effector of the urea cycle selected from the group consisting of arginine, ornithine or citrulline and mixtures thereof; the amino acids alanine, glycine, serine, taurine, threonine, and valine; and a suitable solvent, diluent, excipient, or carrier, wherein the amino acids are present as free-form amino acids or as pharmacologically acceptable salts thereof.

Claim 15 (Previously Presented): The pharmaceutical composition of claim 14, wherein the effector of the urea cycle is in free form or a pharmacologically acceptable salt.

Claim 16 (Cancelled).

Claim 17 (Original): The pharmaceutical composition of claim 14, wherein the concentration of riboflavin is about 5 to about 300 mg/L.

Claim 18 (Currently Amended): The pharmaceutical composition of claim 14, wherein the concentration of the effector of the urea cycle is about 2 to about 120 mg/mL.

Claim 19 (Currently Amended): The pharmaceutical composition of claim 14, wherein the concentration of alanine is about 1 to about 90 mg/mL, the concentration of glycine is about 1 to

about 75 mg/mL, the concentration of serine is about 1 to about 75 mg/mL, the concentration of taurine is about 0.5 to about 30 mg/mL, the concentration of threonine is about 1 to about 90 mg/mL and the concentration of valine is about 1 to about 50 mg/mL.

Claim 20 (Original): The pharmaceutical composition of claim 14, having a pH of about 6.0 to about 7.0.

Claim 21 (Cancelled).

Claim 22 (Original): The pharmaceutical composition of claim 14, consisting of riboflavin, arginine, alanine, glycine, serine, taurine, threonine, valine and a pharmaceutically-acceptable carrier or diluent.

Claim 23 (Currently Amended): The pharmaceutical composition of claim 22, wherein the concentration of riboflavin is about 5 to about 300 mg/L, the concentration of arginine is about 2 to about 120 mg/mL, the concentration of alanine is about 1 to about 90 mg/mL, the concentration of glycine is about 1 to about 75 mg/mL, the concentration of serine is about 1 to about 75 mg/mL, the concentration of taurine is about 0.5 to about 30 mg/mL, the concentration of threonine is about 1 to about 90 mg/mL and the concentration of valine is about 1 to about 50 mg/mL.

Claim 24 (Previously Presented): The pharmaceutical composition of claim 14, consisting of riboflavin, ornithine, alanine, glycine, serine, taurine, threonine, valine and a pharmaceutically-acceptable solvent, carrier, excipient, or diluent.

Claim 25 (Currently Amended): The pharmaceutical composition of claim 24, wherein the concentration of riboflavin is about 5 to about 300 mg/L, the concentration of ornithine is about 2 to about 120 mg/mL, the concentration of alanine is about 1 to about 90 mg/mL, the concentration of glycine is about 1 to about 75 mg/mL, the concentration of serine is about 1 to about 75 mg/mL, the concentration of taurine is about 0.5 to about 30 mg/mL, the concentration

of threonine is about 1 to about 90 mg/mL and the concentration of valine is about 1 to about 50 mg/mL.

Claims 26 - 28 (Cancelled).

Claim 29 (Previously Presented): A pharmaceutical composition for alleviating or reducing fatigue and weakness associated with cancer and cancer chemotherapy consisting of: an effective amount of riboflavin; an effector of the urea cycle consisting of arginine ornithine, and mixtures thereof; the amino acids alanine, glycine, serine, threonine and valine; a suitable solvent, diluent, excipient, or carrier; and 3-phenylacetyl-amino-2,6-piperidinedione.

Claim 30 (Cancelled).

Claim 31 (Original): The pharmaceutical composition of claim 29, consisting of 0.01-10 % riboflavin, 1-15 % arginine, and 1-15 wt % ornithine, 1-15 wt % alanine, 1-15 wt % glycine, 1-15 wt % serine, 1-15 wt % threonine 1-15 wt % valine, and 25-75 wt % 3-phenylacetyl-amino-2,6-piperidinedione.